

GIS Web Developer (PhD Grad Opportunity)

Summary:

For two decades, Visual Defence has transformed ideas into reality by thinking outside of the box. Our accomplishments would not be possible without our biggest asset – our people. We always look for exceptional individuals to join our growing team and help us make and deliver products that make a positive impact in people's lives.

Minimum Requirements

- 5+ years of technical experience in web development and spatial data analysis, spatial data management, development of GIS-based software, or development of GIS data production processes.
- Knowledge of LAMP Stack (Linux/Windows, Apache, MySQL, PHP) is strongly preferred but not mandatory.
- Experience with object-relational databases (Postgre SQL or MySQL)
- Web mapping API experience (ArcGIS Leaflet, Mapbox, OpenLayers, Google Map)
- Geospatial data experience (SHP, KML, GeoJSON) as well as OGC standards (WMS, WFS)

Preferred

- PhD degree in Computer Engineering, Computer Science, or equivalent program within the last five years (or relevant experience)
- Experience with software and web development principles, concepts, and methods;
- Awareness of modern technology trends in relevant areas
- Proficiency with web GIS tools, particularly those used for map tiling and creating mashups/online interactive maps (Google Maps API, MapBox, OpenLayers)
- Interest and experience in design and have artistic flair in data visualization

Key responsibilities include

- Create required technical documents
- Ensure project requirements are met
- Design, code, test and support of software components
- Quickly familiarize with and adhere to VDI software application, development standards and practices
- Incorporating interactive maps and other geospatial visualization/analysis technologies into web interfaces of existing systems, as well as creating new web-based data visualization and geospatial interfaces
- Mentor peers to develop best practices in front and back-end implementation
- Perform code review for peers to ensure quality and consistency
- Provide accurate project status reports
- Deliver work on time and on budget
- Perform other assigned duties as required

- Ensuring high performance on mobile and desktop
- Integration with external web (map) services
- Integrate a diverse set of data into custom geospatial applications
- Stay current on technology trends and identify ways to innovate our products

Benefits

- Health and Dental benefits